

## CLAIMS

What is claimed is:

1. A torsional vibration damper for damping vibrations on a rotating shaft, said torsional vibration damper comprising an inner ring adapted to receive the shaft for rotation therewith, an outer ring generally concentric with said inner ring, a plurality of radial spokes interconnecting said inner ring and said outer ring, said inner and outer rings and said spokes each having a preselected mass, size and shape in order to allow said damper to achieve a desired vibration damping effect on the shaft as it is rotated, said damper being formed entirely of a metallic material.
2. A torsional vibration damper according to Claim 1, wherein said damper is an integrally-formed one-piece construction.
3. A torsional vibration damper, according to Claim 1, wherein said damper is formed of an aluminum-containing material.
4. A torsional vibration damper, according to Claim 1, wherein said damper is formed of a steel-containing material.
5. A torsional vibration damper for damping vibrations on a rotating shaft, said torsional vibration damper comprising an inner ring adapted to receive the shaft for rotation therewith, an outer ring generally concentric with said inner ring, a plurality of radial spokes interconnecting said inner ring and said outer ring, said inner and outer rings and said spokes each having a preselected mass, size and shape in order to allow said damper to achieve a desired vibration damping effect on the shaft as it is rotated, said damper being formed entirely

of a metallic material, said damper being formed entirely of an aluminum-containing material and being formed as an integrally-formed one-piece construction.

6. A torsional vibration damper for damping vibrations on a rotating shaft, said torsional vibration damper comprising an inner ring adapted to receive the shaft for rotation therewith, an outer ring generally concentric with said inner ring, a plurality of radial spokes interconnecting said inner ring and said outer ring, said inner and outer rings and said spokes each having a preselected mass, size and shape in order to allow said damper to achieve a desired vibration damping effect on the shaft as it is rotated, said damper being formed entirely of a metallic material, said damper being formed entirely of a steel-containing material and being formed as an integrally-formed one-piece construction.